

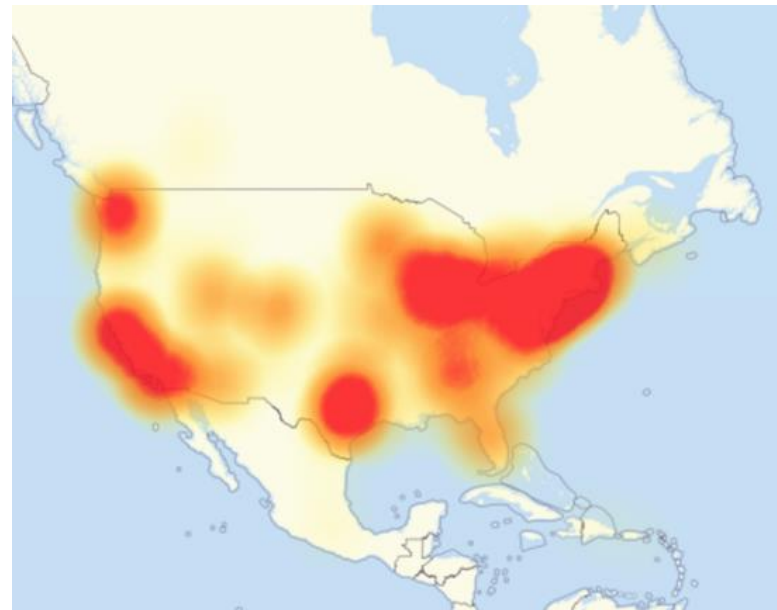
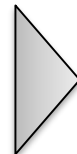
Introducing: IoT Security Challenges in Vert's

Gabriele Rizzo

IoTWeek Bilbao – June 7th, 2018



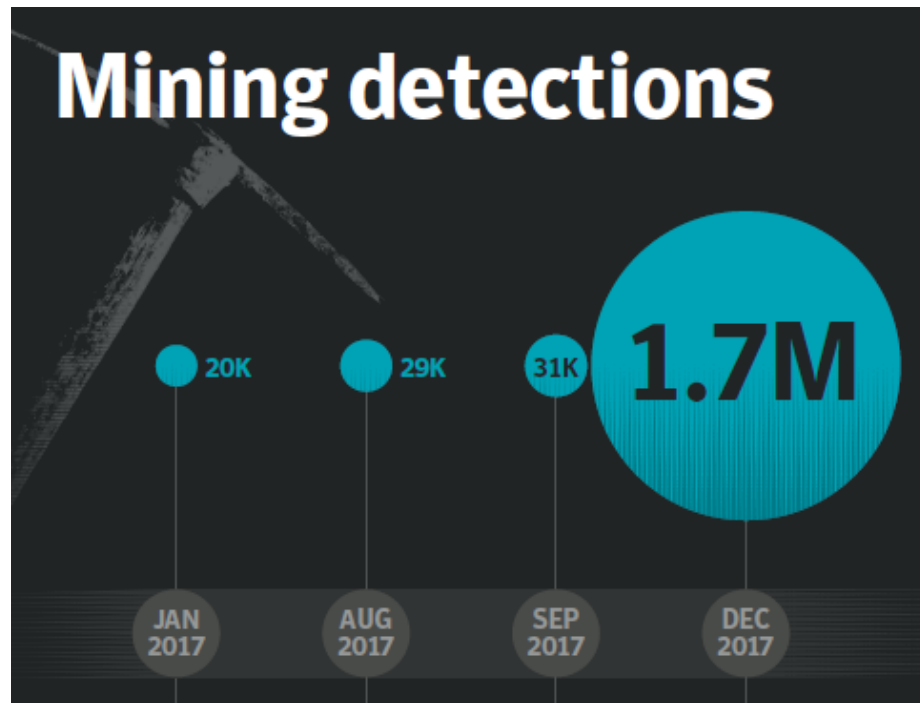
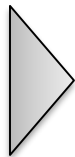
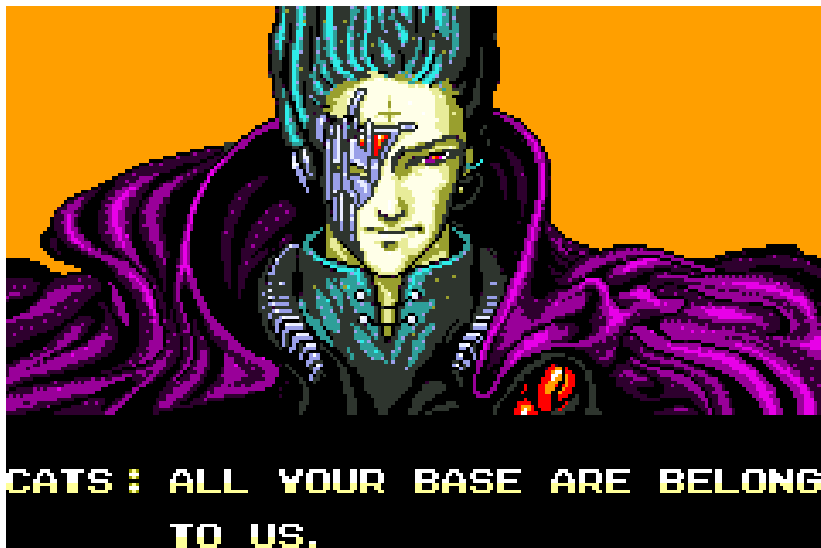
Take down the Internet!



Take down the infrastructure!



Take down the currency market!



What will the attackers look at, now...?



What will the attackers look at, now...?



MANAGE AND CONTROL TRAINS BETTER

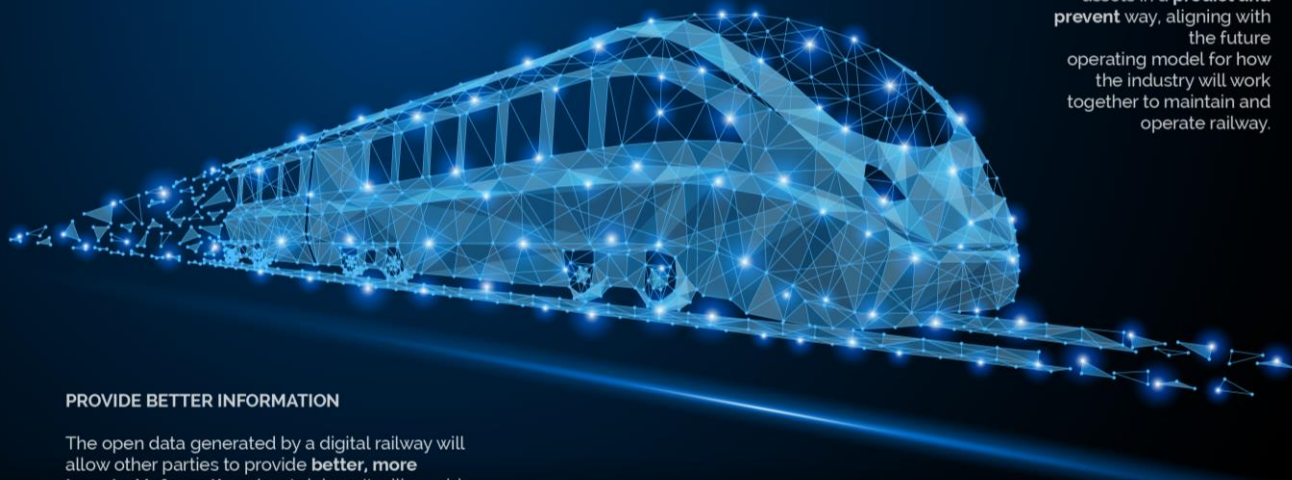
We can **safely and cost effectively** cater for increasing demand for rail travel and freight paths, automating control of trains to smooth the flow and **improve performance**.

PROVIDE BETTER INFORMATION

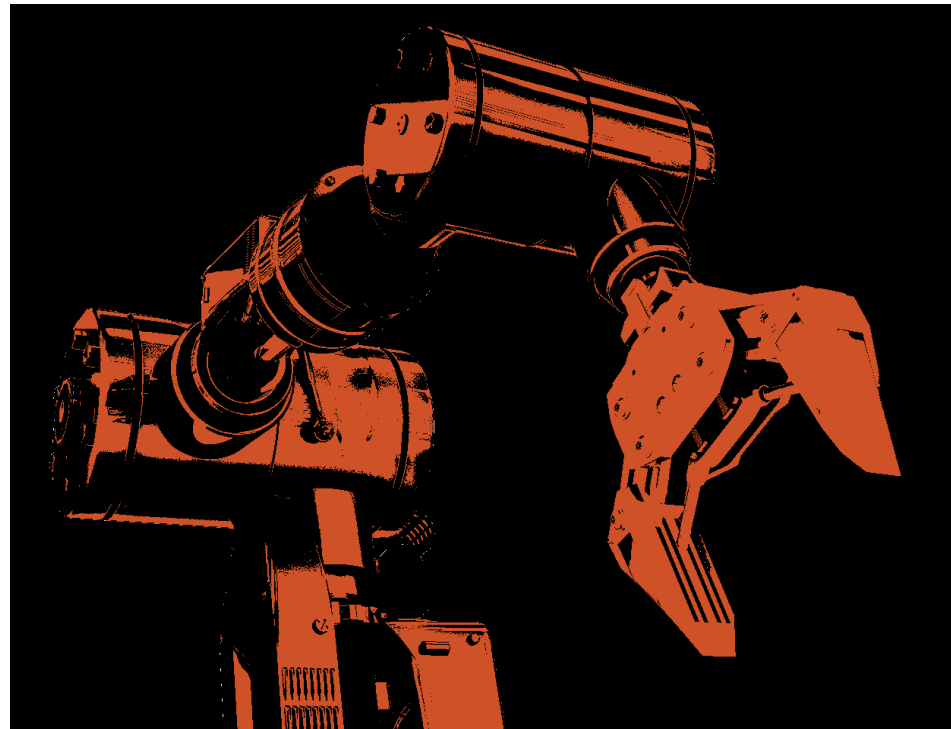
The open data generated by a digital railway will allow other parties to provide **better, more targeted information** about delays. It will provide greater level of real-time detail about the locations of trains between stations.

MANAGE OUR PHYSICAL INFRASTRUCTURE BETTER

The system provides data that can be used to operate and maintain these assets in a **predict and prevent** way, aligning with the future operating model for how the industry will work together to maintain and operate railway.



What will the attackers look at, now...?



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Wishlist

- Entry-level security: labelling
- Not just technology: approaches, methodologies, paradigm(s)
- Maintain safety in security: convergence
- Data, data, data
- Speed of law vs speed of light

THANK **YOU** FOR YOUR ATTENTION

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